

What is claimed is:

1. A three-dimensional imaging decorating sheet made by injection molding or plastic-molding, characterized in that:

5 the decorating sheet is a semi-transparent thin plastic plate and has non-flat embossment figure on surfaces thereof; the embossment figure is not uniform in thickness; thick regions of the embossment figures present as a dark image when they are radiated by light and thin regions of the embossment figures present as a bright image when they are radiated by light; therefore, as a backside of the decorating sheet faces to a light source, a three-dimensional image will present to the viewer.

10 2. The three-dimensional imaging decorating sheet as claim in claim 1, wherein two surfaces of the decorating sheet have two embossment figures, respectively; the two embossment figures are symmetric and matched to each other so that as light transmits through the decorating sheet, the two embossment figures are matched and thus presents as a whole overlapped image.

15 3. A method for manufacturing a three-dimensional imaging decorating sheet so that a thin plate has embossment figures at one surface or two surface of the three-dimensional imaging decorating sheet, comprising the steps of:

20 inputting figures to a computer for performing a predetermined image processing;

25 performing chromatography to the input figures;

converting results of the chromatography into control codes;
inputting the control codes to a CNC machine for machining an mold
based on the control codes; and
injecting plastics to the mold to form a plastic decorating sheet.